

WHAT IS CLAIMED IS:

1. An inspecting system comprising an analyzing unit, said analyzing unit including an image detection device for photographing a plurality of images in a workpiece; a storage means for storing detected images detected by said image detection device; and a display means having a first area for displaying a plurality of detected images stored in said memory means and a plurality of second areas for classifying said detected images according to features of said detected images; wherein said plurality of detected images can be moved on a screen from said first area to said corresponding second areas to classify said plurality of detected images in said second areas.

2. An analyzing unit comprising a storage means for storing a plurality of detected images; and a display means having a first area for displaying a detected image stored in said storage means and a plurality of second areas for classifying said detected images according to features of said detected images; wherein said plurality of detected images can be moved on a screen from said first area to said corresponding second areas to classify said plurality of detected images in said second areas.

3. A method for manufacturing an electronic device wherein use is made of a manufacturing apparatus for processing a workpiece to be an electronic device; an

inspecting apparatus for inspecting the workpiece processed by said manufacturing apparatus; and an analyzing unit including an image detection device capable of photographing an image of said workpiece, a storage means for storing detected images detected by said image detection device, and a display means having a first area for displaying a detected image stored in said storage means and a plurality of second areas for classifying said detected images according to features of said detected images, whereby said plurality of detected images can be moved on a screen from said first area to said corresponding second areas to classify said plurality of detected images in said second areas; wherein the production line having said manufacturing apparatus arranged thereon is controlled using information obtained from said analyzing unit to process the workpiece.

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FIG. 3

100 Inspection/image detection device defect
image

301 Coordinate of detected defect image is
related to defect image for storage

302 Calculate features of detected image

303 Transmit image information to storage unit

304 Obtain image information

305 Display unclassified image

306 Prepare classification area 152

307 Move typical image from unclassified image
display area

108 Move image to applicable classification area

109 Update category of internal data

FIG. 4

1 Defect number

2 Coordinate X

3 Coordinate Y

4 Classification category

5 Operating data and time

6 Image name

7 Features

8 Unclassified

FIG. 6 (b)

1	Category name
2	Area coordinate
3	Attached image
4	Unclassified
5	White

FIG. 7 (b)

1	Category name
2	Area coordinate
3	Attached image
4	Unclassified
5	White

FIG. 8 (b)

1	Category name
2	Area coordinate
3	Attached image
4	Unclassified
5	White

FIG. 9

1	Category name
2	Area coordinate
3	Attached image
4	Unclassified
5	White

- 6 Black
- 7 Elongated
- 8 Large

FIG. 11

- 1 Defect number
- 2 Coordinate X
- 3 Coordinate Y
- 4 Classification category
- 5 Operating data and time
- 6 Image name
- 7 Features
- 8 White
- 9 Black
- 10 Elongated
- 11 Large
- 12 White
- 13 Large
- 14 Elongated
- 15 Black
- 16 Elongated
- 17 White
- 18 Elongated
- 19 White
- 20 Black
- 21 Large

22	Black
23	Black
24	White
25	White
26	Elongated
27	Black

FIG. 12

401	Display unclassified image
402	Automatic classification processing
403	Calculate categories
404	Move image to corresponding category area
405	Classification of all images completed ?
206	Indicate image (click by mouse)
207	Classification area exist ?
208	Add new category
209	Move image to corresponding category area
410	Classification of all images completed ?
211	Confirm classified results
213	Update category of internal data

FIG. 14

1	Gray-scale value
2	Area

FIG. 16

- | | |
|---|----------------------|
| 1 | Category |
| 2 | Number of occurrence |
| 3 | Rate |
| 4 | White |
| 5 | Black |
| 6 | Elongated |
| 7 | Large |